

	L #	Hits	Search Text	DBs
1	L1	41091	"pressure sensitive"	USPAT
2	L2	9310	1 and adhesive and acrylic	USPAT
3	L4	225	3 and alcohol and "fatty acid"	USPAT
4	L5	132	3 and alcohol and "fatty acid" and tape	USPAT
5	L6	62	3 and alcohol and "fatty acid" and tape and sorbit\$	USPAT
6	L7	37	3 and alcohol and "fatty acid" and tape and sorbitan	USPAT
7	L8	49854	"fatty acid" and metal	USPAT
8	L9	9993	"fatty acid" with metal	USPAT
9	L10	320	1 and 9	USPAT
10	L11	82	polyhydric and 10	USPAT
11	L12	21	polyhydric and 10 and fatty and acid and sorbitan	USPAT
12	L3	709	1 and adhesive and acrylic and polyhydric	USPAT
13	L13	212	adhesive and acrylic and polyhydric	EPO; JPO; DERWENT; IBM_TDB
14	L14	44	adhesive and acrylic and polyhydric and pressure	EPO; JPO; DERWENT; IBM_TDB
15	L15	0	adhesive and acrylic and polyhydric and pressure and sorbitan	EPO; JPO; DERWENT; IBM_TDB
16	L16	0	adhesive and acrylic and polyhydric and pressure and sorbit\$	EPO; JPO; DERWENT; IBM_TDB

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**\* NOTICES \***

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1. This document has been translated by computer. So the translation may not reflect the original precisely.
2. \*\*\*\* shows the word which can not be translated.
3. In the drawings, any words are not translated.

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**DETAILED DESCRIPTION**

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[Detailed Description of the Invention]

[0001]

[Industrial Application] this invention relates to the masking tape for joint processing.

[0002]

[Description of the Prior Art] The technology which sticks conventionally the masking tape and this masking tape as for which appearance is made more to beautiful high finishing of added value by carrying out masking of the joint section of joints, such as a PC board and a lightweight gas concrete board, which is the wall surface material of a building on a well-known publication-number No. 170420 [ eight to ] official report is indicated. The masking tape indicated by the above-mentioned official report is composition like drawing 1 . It is the reticulated main part of a masking tape which does not expand in the length direction and contract a crosswise in drawing 1 . The opaque masking sheet metal b made from stainless steel with narrow width of face is stuck on the inferior surface of tongue of this main part a of a masking tape with Adhesives c from this main part a of a masking tape at an parallel state. It is the composition of applying Adhesives j to the doubling section f of the wall surface material d and the wall surface material e with the brush using back-up material g and sealing-material h on the front face of the upper surface marginal part of the HA-like joint section i, and pasting up the aforementioned main part a of a tape, and opaque masking sheet metal b with these adhesives j. Moreover, the second well-known example independently indicated to be the above-mentioned well-known example to drawing 2 is also known. Have illustrated the thing of drawing 2 as an object for walls, and neither back-up material g nor sealing-material h uses \*\*\*\*\* of the V-like joint section i. Apply Adhesives j to vertical both sides of the main part a of a reticulated tape, and it considers as a pressure sensitive adhesive double coated tape. After pasting up the opaque releasing paper n of the same width of face as the main part a of a tape on the upper surface side of this main part a of a tape, and the wall surface material's d and e running and pasting up the main part a of a tape on the joint section i of the doubling section f, a releasing paper n is used exfoliating. Moreover, the third well-known example shown in drawing 3 is also known, the thing applicable to the aforementioned masking sheet metal b of drawing 1 does not use, but it is the main part a of a reticulated tape, and it pastes up and uses [ Adhesives j are applied to the inferior-surface-of-tongue side, it considers as an one side adhesive tape, and ] the main part a of a tape for the upper surface marginal part front face of the joint section i. The above second and the third well-known example are mainly used as a tape for joint processing of a wall, and, generally, as for the joint section i of the doubling section f of the wall surface material d and the wall surface material e, beveling processing is given V characters or in the shape of HA. After pasting up the main part a of a tape on the upper surface of this joint section i, letting the mesh of the main part a of a tape pass, applying that which kneaded the \*\* attachment putty m or gypsum several times by Spatula p and being filled up with the joint section i, the front putty was further applied and finished on the front face.

[0003]

[Problem(s) to be Solved by the Invention] The technical problem that it is trouble since the first well-

known example of the above applies Adhesives j to the both sides of the joint section i, and sticks a tape and it needs the time and effort which applies Adhesives j, Adhesives j also had the technical problem that Adhesives j are consumed more than required since it applies more widely what minute than the width of face of the main part a of a tape and Adhesives j are applied to an excessive place, and the technical problem that trouble was caused to post-work since it cannot move to the next work if it does not wait for the setting time of Adhesives j. Since the main part a of a tape is a pressure sensitive adhesive double coated tape, the second well-known example does not need to apply adhesives j like the first well-known example ( drawing 1 ) to the upper surface marginal part front face of the joint section i. Although it does not have a technical problem accompanying an adhesives application, since it is a pressure sensitive adhesive double coated tape and the releasing paper n is pasted up on the upper surface Since the technical problem that a releasing paper n is needed, and the releasing paper n were opaque, the opaque releasing paper n interfered and the technical problem of not being made to agree correctly by the pin center, large of the joint section i occurred. The point of not being made to agree a pin center, large for it, since the main part a of a tape is an one side adhesive tape by the joint section i, since the third well-known example does not need to apply adhesives j like the first well-known example to the upper surface marginal part front face of the joint section i and does not use an opaque releasing paper n like the second well-known example for the upper surface of the main part a of a tape further is also improved. However, since it is only the main part a of a tape of a mesh, after both the second well-known example and the third well-known example paste up the main part a of a tape, they let the mesh of the main part a of a tape pass, and have the technical problem which must make it filled up with that which kneaded \*\* attachment putty or gypsum m in the joint section i using Spatula p. If the contraction after dryness hardening and \*\* are taken into consideration, since it is very troublesome, as to [ it / which ] it is restoration of this putty or gypsum m, its first well-known example which stuck the opaque masking sheet metal b made from stainless steel on the parallel state with Adhesives c is better. then, this invention -- per first well-known example of the above -- further -- use -- it improves so that it may become easy

[0004]

[Means for Solving the Problem] Therefore, this invention is reticulated and the main part of a tape is formed also in the length direction with the material which is not expanded and contracted crosswise. The upper surface side of this main part of a tape presupposes that it remains as it is, and leave the right-and-left both sides of this main part of a tape in the center by the side of the inferior surface of tongue of this main part of a tape, and transparent or translucent a masking film or an occulting disk with width of face narrower than this main part of a tape is stuck on an parallel state with adhesives. It considers as the masking tape for joint processing into which make adhesives apply or come to sink at the inferior-surface-of-tongue side of the aforementioned main part of a tape, and the aforementioned masking film. Moreover, in the above, the aforementioned masking film or an occulting disk is taken as the masking tape for joint processing which prepared the adhesive layer in the upper surface side beforehand. Moreover, let the aforementioned masking film or right-and-left width of an occulting disk be the masking tape for joint processing which made the wallplate size from the width of the joint section compared and formed in the above. Moreover, it sets above, adhesives are applied or infiltrated only into a part for the both ends by the side of the aforementioned masking film or the inferior surface of tongue of an occulting disk, and it considers as the masking tape for joint processing which comes to stick a releasing paper on the inferior surface of tongue of these adhesives.

[0005]

[Structure of an example] If the structure of one example of this invention is explained below to drawing 4, 1 is a main part of a tape, is reticulated and is formed also in the length direction with the material which is not expanded and contracted crosswise. As an example, an aramid fiber and a glass fiber without \*\*\*\* of rust and degradation are twisted, and it is formed. 2 is the weft and 3 is warp.

[0006] 4 is the transparent or translucent masking film pasted up on the inferior-surface-of-tongue side of the aforementioned main part 1 of a tape with adhesives 5, or an occulting disk, and in the case of a transparent or translucent masking film, it is formed with a synthetic-resin film, and, in the case of an

occluding disk, is formed of a sheet metal and others, such as stainless steel. A masking film or the horizontal width of an occluding disk 4 is narrower than the horizontal width of the aforementioned main part 1 of a tape, is stopped to the right-and-left side of the aforementioned main part 1 of a tape, leaves the sections 6 and 7, and pastes them up on the center section of the aforementioned main part 1 of a tape. Although the aforementioned adhesives 5 may be applied to the upper surface each time when sticking a masking film or an occluding disk 4, you may form an adhesives layer beforehand like well-known adhesive tape.

[0007] The upper surface side of the aforementioned main part 1 of a tape presupposes that it remains as it is, and nothing forms it. By this, when \*\*\*\*(ing) the upper surface for a \*\*\*\*\* reason, work is done easy. Extensively, a glue line 8 is applied or infiltrated into the stop sections 6 and 7 by the side of the right and left by the side of the inferior surface of tongue of the aforementioned main part 1 of a tape, and the inferior surface of tongue of a masking film or an occluding disk 4, and is formed in them. In addition, since a masking film or an occluding disk 4 is not pasted up on the joint section, only both sides may form a glue line 8 like drawing 8. Drawing 8 mentions later.

[0008] The tape of this invention is the above-mentioned composition, and this is wound around a roll 9 like an ordinary cellophane tape ( drawing 5 ), and it extends, cuts and uses it for the desired length from an end. That is, an opaque releasing paper n like the second well-known example does not have. In addition, as for the sealing material (refer to drawing 1 ) with which the joint section in which the wall surface material by which 10 is constituted from a plasterboard, a lightweight gas concrete board, a cement extrusion-molding board, an asbestos-cement-sheet board, a calcium-silicate board, a precast concrete slab, and others, and 11 spread in the doubling section of this wall surface material 10, and 12 spreads the shape of HA and in the shape of V, and the joint section 7 by which 13 is applied to leak-prevention in the case of an outer wall are filled up, and 14, a front putty and 15 Drawing 8 is drawing made reverse, it pastes up transparent or translucent a masking film or an occluding disk 4 on the inferior-surface-of-tongue side of the aforementioned main part 1 of a tape with adhesives 5, forms a glue line 8 only in the both sides of a masking film or an occluding disk 4, and sticks a releasing paper 16 on the inferior surface of tongue of a glue line 8.

[0009]

[Function] Next, an operation is described. If the wall surface material 10 and 10 is compared and struck against the outer wall or wall of a building, the joint section 12 of the shape of the outside aperture of V characters like drawing 4 or HA will be formed in the doubling section 11 of the wall surface material 10 and 10. This joint section 12 does not make a sealing material 13 usually fill up with an internal surface, although the case of a skin makes it filled up with a sealing material 13 for leak-prevention. If the main part 1 of a tape wound around the roll of this invention is made to pull out and contact the upper surface of such the joint section 12 from an end, it is pulled out simply and can paste up on the aforementioned joint section 12.

[0010] In this case, since it pastes up so that a masking film or an occluding disk 4 may stop to the wall surface material 10 and 10 and the sections 6 and 7 may surround doubly in the joint section 12, since the glue line 8 is making it form, the masking film [ of the stop sections 6 and 7 by the side of right and left of the main part 1 of a tape and a center section ] or inferior-surface-of-tongue side of an occluding disk 4 is pasted certainly very simply. In addition, at the time of the example of drawing 8 , after skinning a releasing paper 16, it pastes up.

[0011] Carry out a deer and the front putty 14 which carries out masking of this to the superficies of the reticulated main part 1 of a tape is given by the spatula 15 after sticking the main part 1 of a tape. Then, if synthetic-resin emulsion paint, cross \*\*\*\*, etc. are finished about paint of the polyurethane system which has waterproofness in the upper surface about an outer wall, a cement system, acrylic, and others, and a wall The joint section 12 of the doubling section 11 of the wall surface material 10 and 10 can perform the thing it stops being [ a thing ] conspicuous and to do simply, and can build the beautiful wall surface on which the trace of the joint section 12 disappeared. A gap is not produced, even if it gives the front putty which carries out masking by the spatula, since the masking film or occluding disk 4 of this invention is pasted up on the wall surface material 10 and 10 by the glue line 8 at this time.

[0012]

[Effect of the Invention] The technical problem that it is trouble since the first well-known example of the above applies Adhesives j to the both sides of the joint section i, and sticks a tape and it needs the time and effort which applies Adhesives j, Adhesives j also had the technical problem that Adhesives j are consumed more than required since it applies more widely what minute than the width of face of the main part a of a tape and Adhesives j are applied to an excessive place, and the technical problem that trouble was caused to post-work since it cannot move to the next work if it does not wait for the setting time of Adhesives j. Since the main part a of a tape is a pressure sensitive adhesive double coated tape, the second well-known example does not need to apply adhesives j like the first well-known example ( drawing 1 ) to the upper surface marginal part front face of the joint section i. Although it did not have the technical problem which coils round an adhesives application, it was a pressure sensitive adhesive double coated tape, and since the technical problem that a releasing paper n is needed since the releasing paper n is pasted up on the upper surface, and the releasing paper n were opaque, the opaque releasing paper n interfered and the technical problem of not being made to agree a pin center, large correctly occurred. The point of not being made to agree a pin center, large for it, since the main part a of a tape is an one side adhesive tape by the joint section i, since the third well-known example does not need to apply adhesives j like the first well-known example to the upper surface marginal part front face of the joint section i and does not use an opaque releasing paper n like the second well-known example for the upper surface of the main part a of a tape further is also improved. However, since it is only the main part a of a tape of a mesh, after both the second well-known example and the third well-known example paste up the main part a of a tape, they let the mesh of the main part a of a tape pass, and have the technical problem which must make it filled up with that which kneaded \*\* attachment putty or gypsum m in the joint section i using Spatula p. However, this invention is reticulated and the main part 1 of a tape is formed also in the length direction with the material which is not expanded and contracted crosswise. The upper surface side of this main part 1 of a tape presupposes that it remains as it is, and leave the right-and-left both sides of this main part 1 of a tape in the center by the side of the inferior surface of tongue of this main part 1 of a tape, and transparent or translucent a masking film or an occulting disk 4 with width of face narrower than this main part 1 of a tape is stuck on an parallel state with adhesives 5. Since it considered as the masking tape for joint processing which makes adhesives 8 apply or come to sink into the aforementioned main part 1 of tape and aforementioned masking film, or inferior-surface-of-tongue side of an occulting disk 4, when it compares with the first well-known example Since it is not necessary to apply Adhesives j, the time and effort which applies Adhesives j is not needed, but there is also no futility which applies Adhesives j more widely than the width of face of the main part a of a tape, and the futility which waits for the setting time of Adhesives j can also be excluded. moreover -- since the putty m with which the joint section i is fill uped is not needed when it compares with the second well-known example and the third well-known example -- handling -- an easy effect is done so moreover, the shell and manufacture which the aforementioned masking film or the occulting disk 4 used as the masking tape for joint processing which formed the adhesive layer 5 in the upper surface side beforehand -- it is easy Moreover, the aforementioned masking film or the right-and-left width of an occulting disk 4 can carry out masking of the shell and the joint section 12 which made the wallplate 10 size from the width of the joint section 12 compared and formed certainly. moreover, the shell which adhesives 8 were applied or infiltrated only into a part for the both ends by the side of the aforementioned masking film or the inferior surface of tongue of an occulting disk 4, and stuck the releasing paper 16 on the inferior surface of tongue of these adhesives 8 -- much more -- handling -- it becomes easy

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[Translation done.]